THE RESTRICTION REQUIREMENT

The above-identified patent application has been examined for restriction purposes only. The Examiner has set forth the following groups:

Group Number	Claims	Subject Matter
I	1-14 and 16-24	Drawn to a DNA encoding aminotransferase, a vector containing said DNA, a cell transformed with said vector, a probe and the specific DNA encoding aminotransferase, classified in class 435, subclass 252.3
II	15	Drawn to an aminotransferase, classified in class 435, subclass 193

In the Office Action mailed December 7, 2000, the Examiner restricted the claims to two distinct and independent inventions.

ELECTION

In Response, Applicants elect, with traverse, the invention of Group I (claims 1-14 and 16-24) drawn to a DNA encoding aminotransferase, a vector containing said DNA, a cell transformed with said vector, a probe and the specific DNA encoding aminotransferase, classified in class 435, subclass 252.3, respectively.

No fee is deemed necessary in connection with the filing of this response. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 50-1355.

Respectfully submitted,

Date 1/05/01

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E3

27. (Amended) The polynucleotide of claim 2 which encodes an adenosyl-8-amino-7-oxononanoate aminotransferase that is at least 70% identical to the enzyme of SEQ ID NO:27.

E4

33. (Amended) An isolated polynucleotide encoding an enzyme with aminotransferase activity, wherein the polynucleotide encodes the enzyme of SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEQ ID NO:28, SEQ ID NO:29, SEQ ID NO:30, SEQ ID NO:31, or SEQ ID NO:32. --

ED

Please add claims 36 ~~and~~ 39.

E5

-- 36. (NEW) A nucleic probe comprising a nucleic acid sequence consisting of a sequence which hybridizes under hybridization conditions of 0.9 M NaCl, 5.0 mM NaH_2PO_4, 5.0 mM Na_2 EDTA, 0.5% SDS, 10X Denhardt's and 0.5 mg/mL polyriboadenylic acid at about 45°C to a polynucleotide that encodes an amino acid sequence selected from the group consisting of SEQ ID NOS:25-32, or a complement of the polynucleotide.

37. (NEW) A nucleic probe comprising a nucleic acid sequence consisting of a sequence of at least 15 nucleotides complementary or identical to a polynucleotide that encodes an amino acid sequence selected from the group consisting of SEQ ID NOS:25-32.

38. (New) The probe of claim 37, wherein the nucleic acid sequence consists of a sequences of at least 30 complementary or identical nucleotides.

39. (New) The probe of claim 37, wherein the nucleic acid sequence consists of a sequences of at least 50 complementary or identical nucleotides.